

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

O I R E  
COPY OF PAPERS  
ORIGINALLY FILED

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0851-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known

RECEIVED

Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1	of 3	Attorney Docket Number	18631-0141 (45116-268551)
---------	------	------------------------	---------------------------

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
MH	1	Belknap, James K., et al., "Relationship Between Perlecan and Tropoelastin Gene Expression and Cell Replication in the Developing Rat Pulmonary Vasculature", <i>Am. J. Respir. Cell Mol. Biol.</i> , Vol. 20, pp. 24-34 (1999)	
MH	2	Benitz, William E., et al., "Endothelial Heparan Sulfate Proteoglycan. I. Inhibitory Effects on Smooth Muscle Cell Proliferation", <i>Am. J. Respir. Cell Mol. Biol.</i> , Vol. 2, pp.13-24 (1990)	
MH	3	Bingley, John A., et al., "Inhibition of Neointimal Formation by Natural Heparan Sulfate Proteoglycans of the Arterial Wall", <i>Ann. N.Y. Acad. Sci.</i> , Vol. 811, pp. 238-244. (1997)	
MH	4	Brown, Christopher T., et al., "Characterization Of Proteoglycans Synthesized by Cultured Corneal Fibroblasts in Response to Transforming Growth Factor Beta and Fetal Calf Serum", <i>J. Biol. Chem.</i> , Vol. 274, No. 11, pp. 7111-7119 (1999)	
MH	5	Bult, Hidde, "Restenosis: A Challenge for Pharmacology", <i>Trends Pharmacol. Sci.</i> , Vol. 21, pp. 274-279 (2000)	
MH	6	Campbell, Julie H., et al., "Endothelial Cell Influences on Vascular Smooth Muscle Phenotype", <i>Ann. Rev. Physiol.</i> , Vol. 48, pp. 295-306 (1986)	
MH	7	Crowley, Stephen T., et al., "Multiple Growth Factors are Released from Mechanically Injured Vascular Smooth Muscle Cells", <i>Am. J. Physiol.</i> , Vol. 269, No. 5, pp. H1641-H1647 (1995)	
MH	8	Engelberg, Hyman, "Actions of Heparin in the Atherosclerotic Process", <i>Am. Soc. Pharm. Exp. Therap.</i> , Vol. 48, No. 2, pp.327-352 (1996)	
MH	9	Forsten, Kimberly E., et al., "Endothelial Proteoglycans Inhibit bFGF Binding and Mitogenesis", <i>J. Cell. Physiol.</i> , Vol. 172, pp. 209-220 (1997)	
MH	10	Fuji, Noriyasu, et al., "Thrombin Reduces Large Heparan Sulfate Proteoglycan Molecules in Cultured Vascular Endothelial Cell Layers Through Inhibition of Core Protein Synthesis", <i>Thromb. Res.</i> , Vol. 88, pp. 299-307 (1997)	

Examiner Signature	Maher Haddad	Date Considered	11/22/04
--------------------	--------------	-----------------	----------

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

COPY OF PAPERS  
ORIGINALLY FILED

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/A/PTO		Complete if Known	
		Application Number	10/091,357
		Filing Date	March 1, 2002
		First Named Inventor	Sivaram Pillarisetti
		Group Art Unit	
		Examiner Name	TECH CENTER 1600
Sheet	2	of	3
		Attorney Docket Number	18631-0141 (45115-268551)

RECEIVED

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
MH	11	Garg, Uttam C., et al., "Nitric Oxide-Generating Vasodilators and 8-Bromo-Cyclic Guanosine Monophosphate Inhibit Mitogenesis and Proliferation of Cultured Rat Vascular Smooth Muscle Cells", <i>J. Clin. Invest.</i> , Vol. 83, No. 5, pp.1774-1777 (1989)	
MH	12	Hayashi, Kimiko, et al., "Endothelial Cells Interact with the Core Protein of Basement Membrane Perlecan Through Beta 1 and Beta 3 Integrins: An Adhesion Modulated by Glycosaminoglycan", <i>J. Cell Biol.</i> , Vol. 119, No. 4, pp. 945-959 (1992)	
MH	13	Iozzo, Renato V., et al., "Structural Characterization of Perlecan Gene Promoter", <i>J. Biol. Chem.</i> , Vol. 272, No. 8, pp. 5219-5228 (1997)	
	14	Iozzo, Renato V., et al., "The Biology of Perlecan: the Multi-faceted Heparan Sulphate Proteoglycan of Basement Membranes and Pericellular Matrices", <i>Biochem. J.</i> , Vol. 302, pp. 625-639 (1994)	
MH	15	Karnovsky, Morris J., "Endothelial--Vascular Smooth Muscle Cell Interactions", <i>Am. J. Pathol.</i> , Vol. 105, No. 3, pp.200-206 (1981)	
	16	Karnovsky, M.J., et al., "Heparin, Heparan Sulfate, Smooth Muscle Cells, and Atherosclerosis", <i>Ann. N.Y. Acad. Sci.</i> , Vol. 556, pp. 268-281 (1989)	
MH	17	Koyama, Noriyuki, et al., "Heparan Sulfate Proteoglycans Mediate a Potent Inhibitory Signal for Migration of Vascular Smooth Muscle Cells", <i>Circ. Res.</i> , Vol. 83, No. 3, pp. 305-313 (1998)	
MH	18	Luscher, Thomas F., et al., "The Pathogenesis Of Cardiovascular Disease: Role of the Endothelium as a Target and Mediator", <i>Atherosclerosis 118 Suppl.</i> , pp. S81-S90 (1995)	
MH	19	Nugent, Matthew A., et al., "Perlecan is Required to Inhibit Thrombosis After Deep Vascular Injury and Contributes to Endothelial Cell-Mediated Inhibition of Intimal Hyperplasia", <i>PNAS</i> , Vol. 97, No. 12, pp. 6722-6727 (2000)	
MH	20	Orford, James L., et al., "The Comparative Pathobiology of Atherosclerosis and Restenosis", <i>Am. J. Cardiol.</i> , Vol. 86, pp. 6H-11H (2000)	
MH	21	Ottlinger, Michael E., et al., "Heparin Inhibits Mitogen-Activated Protein Kinase Activation in Intact Rat Vascular Smooth Muscle Cells", <i>J. Biol. Chem.</i> , Vol. 268, No. 26, pp.19173-19176 (1993)	

Examiner Signature	Maker Haddad	Date Considered	4/22/04
--------------------	--------------	-----------------	---------

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

COPY OF PAPERS  
ORIGINALLY FILED

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for Form 1449/A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

Complte if Known

		Application Number	10/091,357
		Filing Date	March 1, 2002
		First Named Inventor	Sivaram Pillarisetti MAY 16 2002
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	18631-0141 (451 CENTER 1600125)

**RECEIVED**

MAY 16 2002  
U.S. PATENT & TRADEMARK OFFICE  
RECEIVED  
MAY 16 2002  
U.S. PATENT & TRADEMARK OFFICE  
RECEIVED

### OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
MH	22	Paka, Latha, et al., "Perlecan Mediates the Antiproliferative Effect of Apolipoprotein E on Smooth Muscle Cells: An Underlying Mechanism for the Modulation of Smooth Muscle Cell Growth?", <i>J. Biol. Chem.</i> , Vol. 274, No. 51, pp. 36403-36408 (1999)	
MH	23	Paka, Latha, et al., "Apolipoprotein E Containing High Density Lipoprotein Stimulates Endothelial Production Heparan Sulfate Rich in Biologically Active Heparin-Like Domains", <i>J. Biol. Chem.</i> , Vol. 274, No. 8, pp. 4816-4823 (1999)	
MH	24	Pillarisetti, Sivaram, et al., "Lysolecithin-induced Alteration of Subendothelial Heparan Sulfate Proteoglycans Increases Monocyte Binding to Matrix", <i>J. Biol. Chem.</i> , Vol. 270, No. 50, pp. 29760-29765 (1995)	
MH	25	Pillarisetti, Sivaram, et al., "Subendothelial Retention of Lipoprotein (a): Evidence that Reduced Heparan Sulfate Promotes Lipoprotein Binding By Subendothelial Matrix", <i>J. Clin. Invest.</i> , Vol. 100, No. 4, pp. 867-874 (1997)	
MH	26	Ramasamy, Santhini, et al., "Oxidized Lipid-Mediated Alterations In Proteoglycan Metabolism In Cultured Pulmonary Endothelial Cells", <i>Atherosclerosis</i> 120, pp. 199-208 (1996)	
MH	27	Rosenberg, Robert D., et al., "Heparan Sulfate Proteoglycans of Vascular System: Specific Structures Emerge But How is Synthesis Regulated?", <i>J. Clin. Invest.</i> , Vol. 99, No. 9, pp. 2062-2070 (1997)	
MH	28	Schwartz, Stephen M., "Smooth Muscle Migration in Atherosclerosis and Restenosis", <i>J. Clin. Invest.</i> , Vol. 99, No. 12, pp. 2814-2817 (1997)	
MH	29	Weiser, Mary C., et al., "Developmental Regulation of Perlecan Gene Expression in Aortic Smooth Muscle Cells", <i>J. Matrix Biol.</i> , Vol. 15, No. 5, pp. 331-340 (1996)	
MH	30	Yu, Sheu-Meei, et al., "cGMP-elevating Agents Suppress Proliferation of Vascular Smooth Muscle Cells by Inhibiting the Activation of Epidermal Growth Factor Signaling Pathway", <i>Circulation</i> , Vol. 95, No. 5, pp. 1269-1277 (1997)	

Examiner Signature	Maher Haddad	Date Considered	11/22/04
--------------------	--------------	-----------------	----------

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.